

Abstract

5 A method of modifying a polymeric material which comprises the steps of
activation-treatment and a hydrophilic polymer-treatment, or comprises the steps of
activation-treatment, a hydrophilic polymer-treatment, and monomer grafting in this order,
or comprises the step of a solvent-treatment followed by these steps. Thus, the
polymeric material, e.g., polyolefin, is improved in hydrophilicity, adhesion, etc. without
lowering the practical strength thereof. The polymeric material thus improved in
10 adhesion and other properties can be used in many applications where water absorption
and adhesion are required, such as an absorption material, e.g., a wiping/cleansing
material, a water retention material, a material for microorganism culture media, a
separator for batteries (or cells), a synthetic paper, a filter medium, a textile product for
clothing, a medical/sanitary/cosmetic supply, and reinforcing fibers for composite
materials.

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